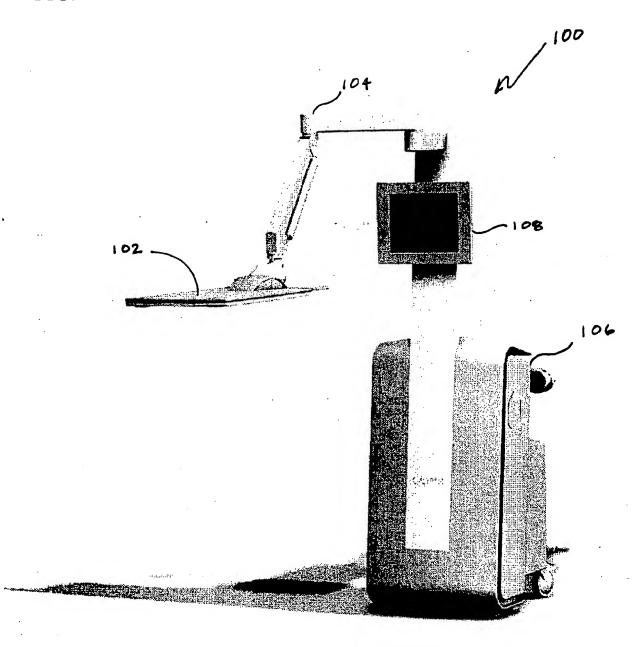
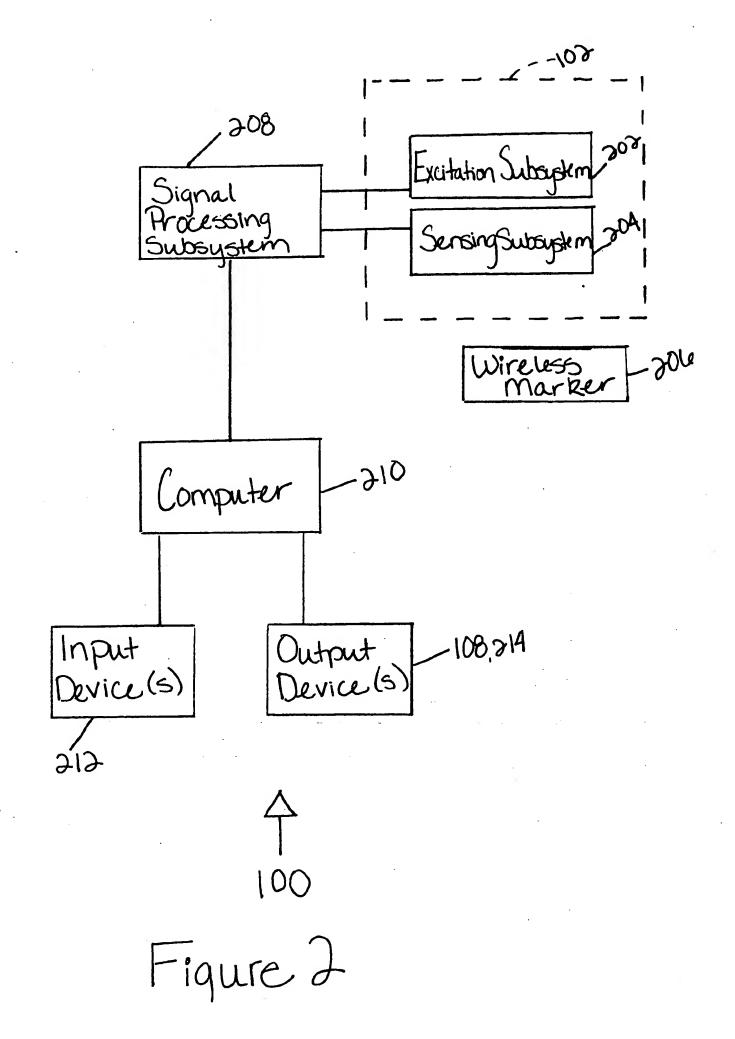
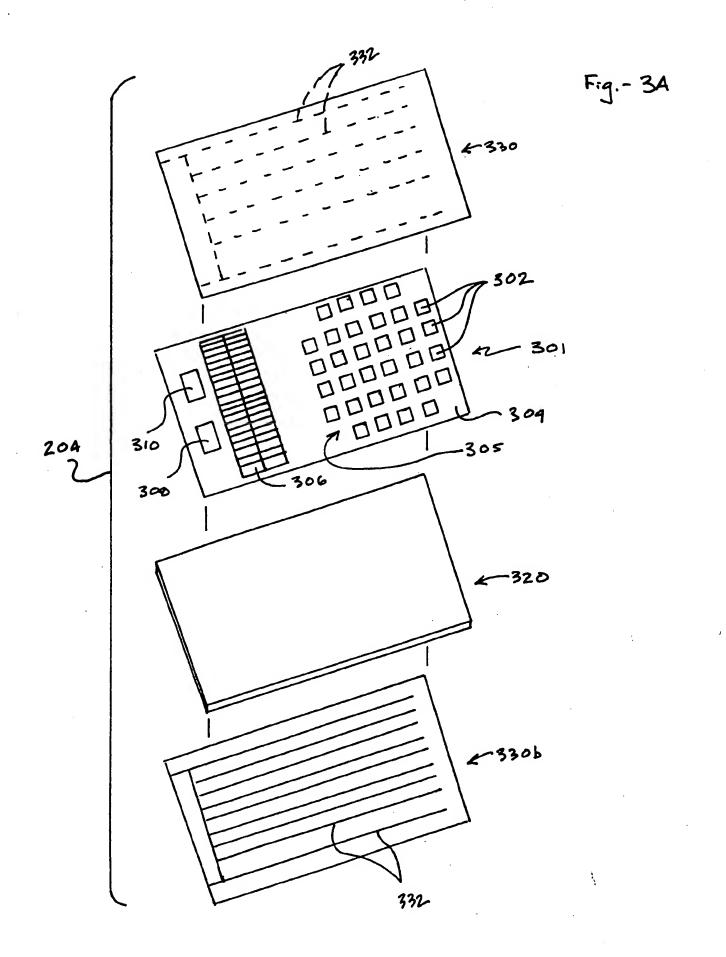
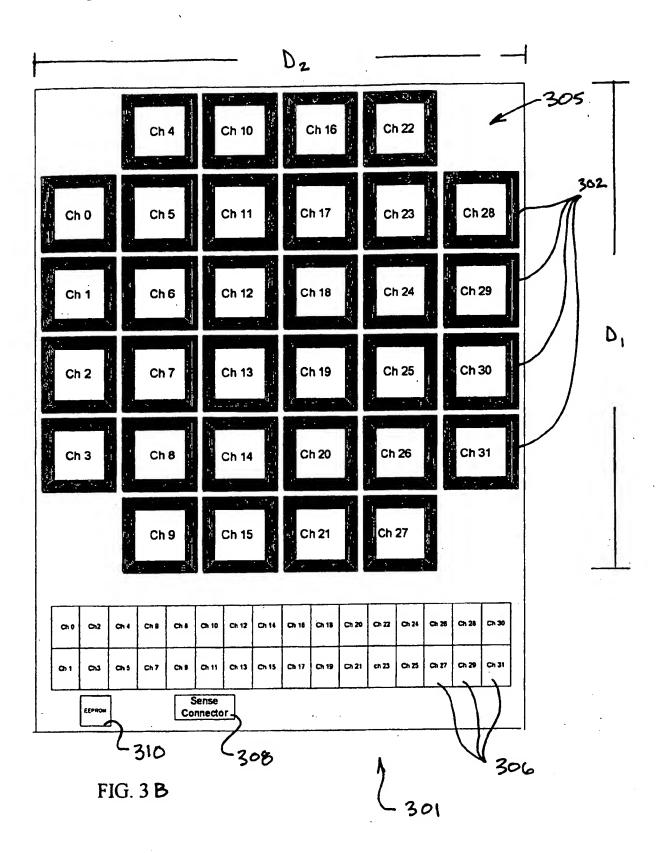
FIG. 1









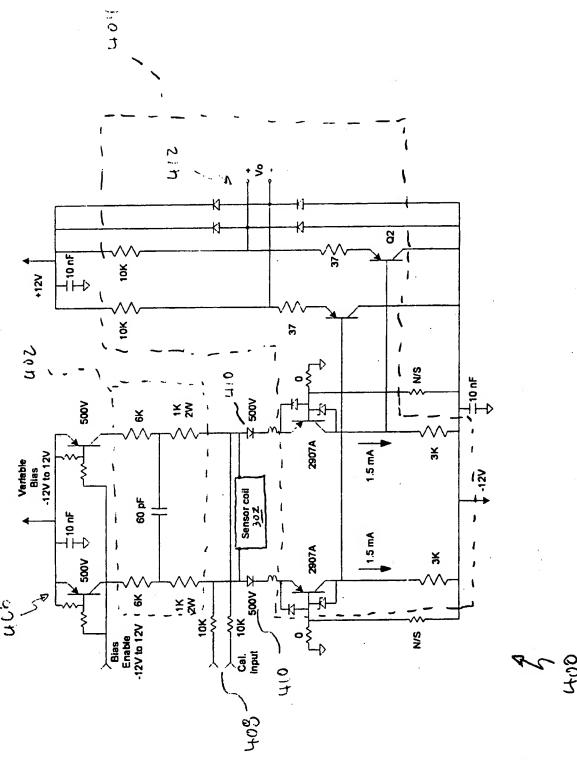
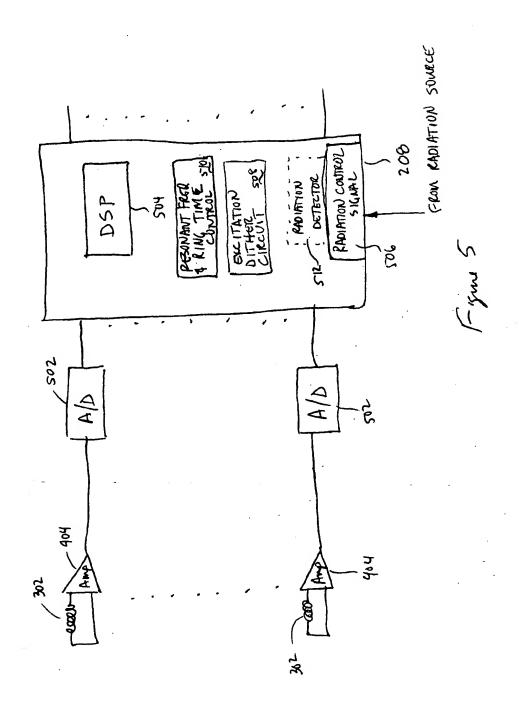
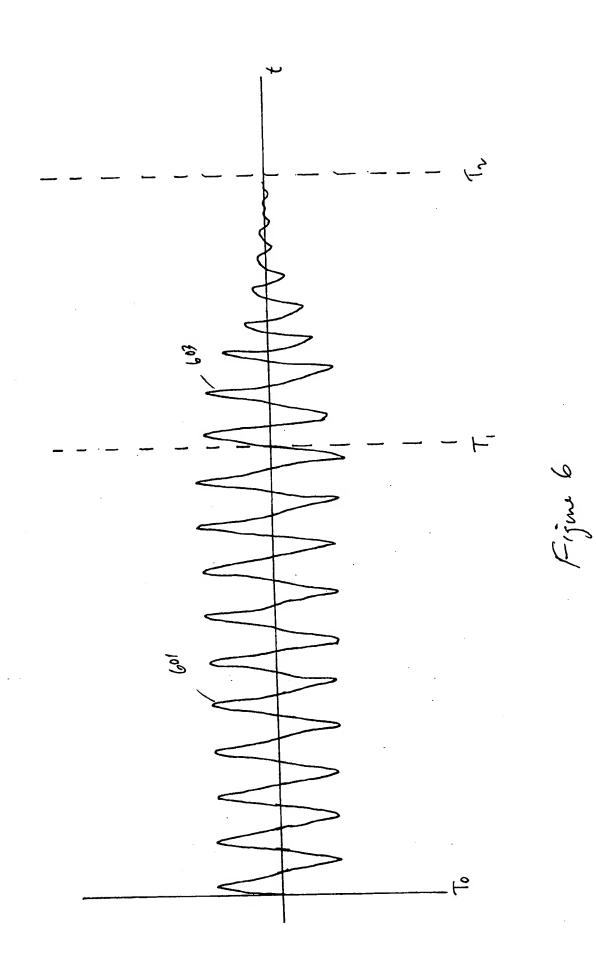


FIG. 4





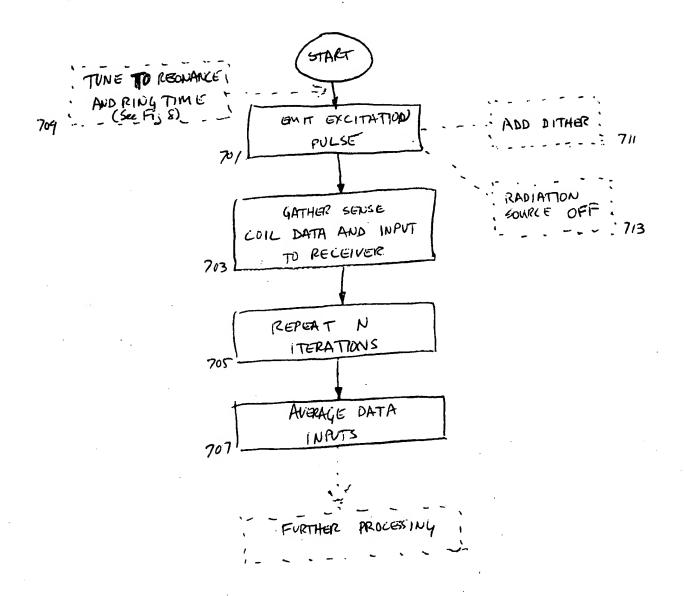


Figure 7

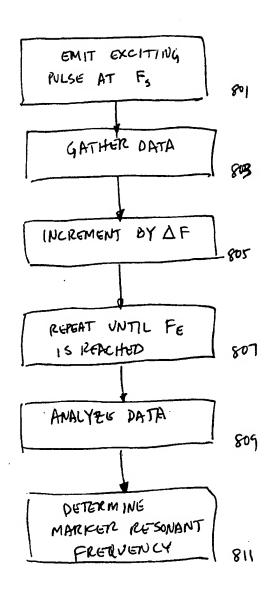


Figure 8

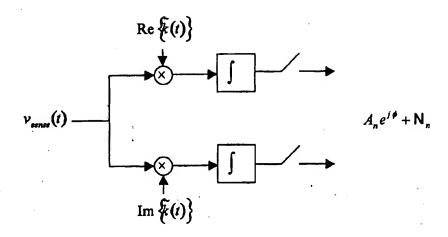
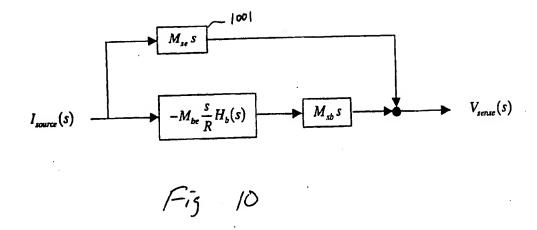


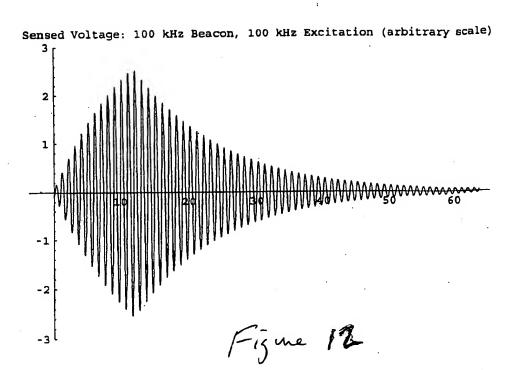
Fig 9

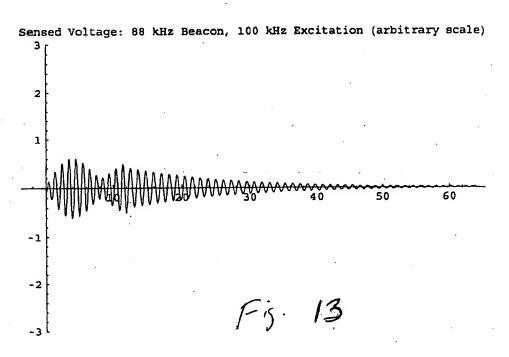


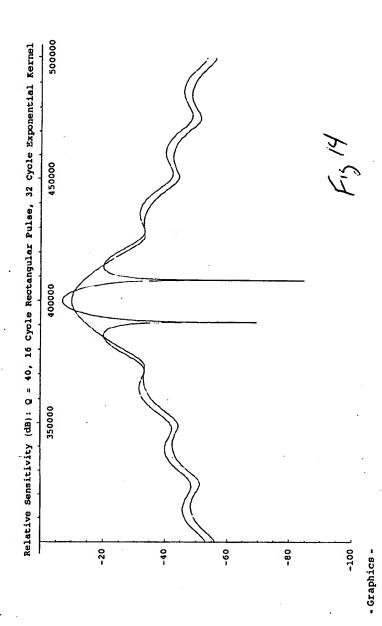
$$i_{source}(t)$$

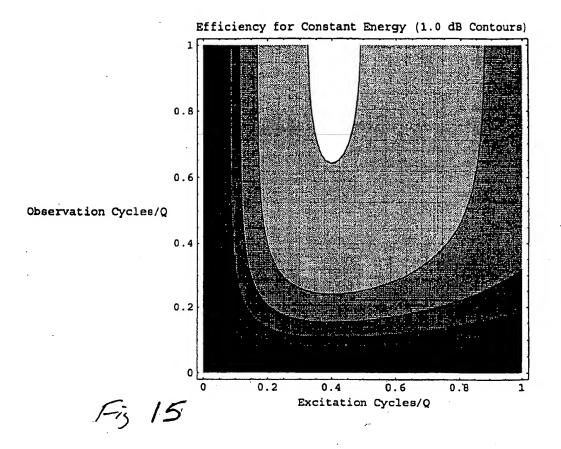
$$\frac{-M_{be}M_{sb}}{R}\frac{d^2}{dt^2}$$
 $v_{sense}(t)$

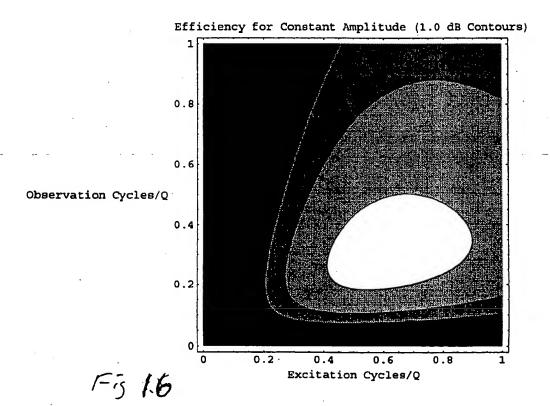
Fig 11

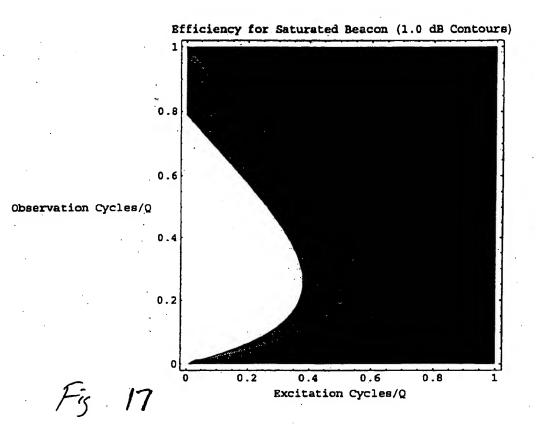


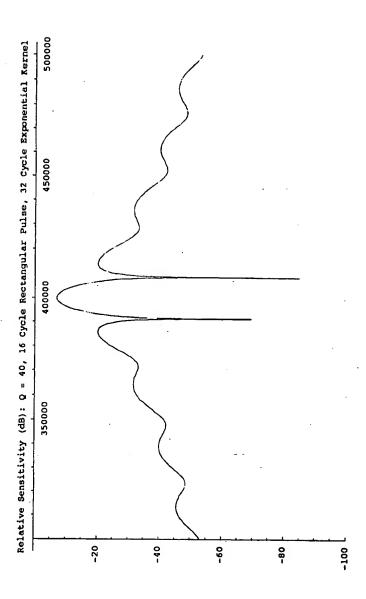




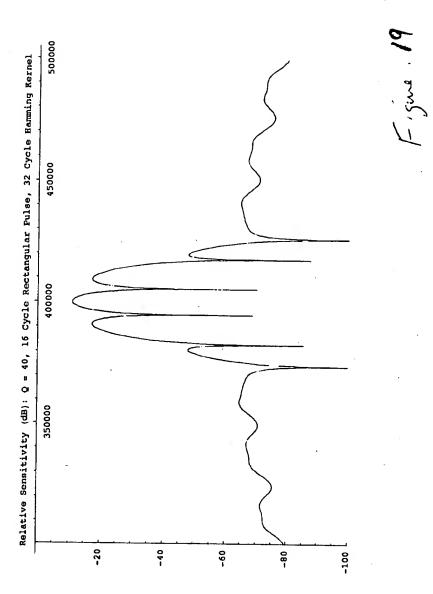








13 18



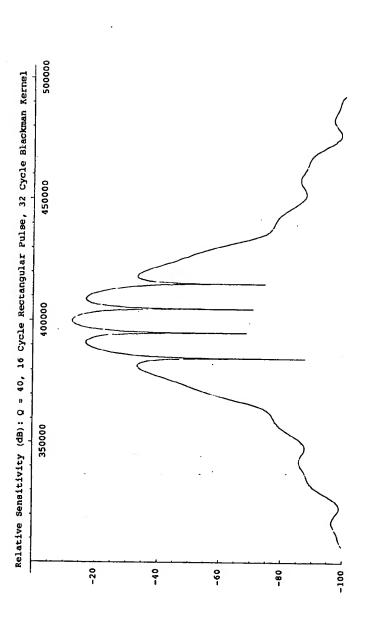


Figure 20